

WHAT IS CLAIMED IS:

1 1. A telecommunications system, comprising:
 2 a Serving GPRS support node (SGSN) adapted to interface to a mobile
 3 station; and
 4 a gateway GPRS support node (GGSN) adapted to couple to a packet
 5 network;
 6 wherein said SGSN includes a Session Initiation Protocol (SIP) user agent for
 7 interfacing to a SIP application server, to provide multimedia services to said mobile
 8 station.

1 2. A telecommunications system in accordance with claim 1, said SGSN
 2 adapted to initiate a PDP context activation procedure if said SGSN determines, or
 3 an other network function/entity instructs the SGSN, that such a PDP context
 4 activation is needed to support further services.

1 3. A telecommunications system in accordance with claim 2, said PDP
 2 activation procedure adapted to be implemented at DP attach or other detection
 3 points.

1 4. A telecommunications method, comprising:
 2 processing a detection point attach when the normal GPRS attach process is
 3 successful but is not completed;
 4 an SGSN requesting PDP context activation; and
 5 triggering an SIP request.

1 5. A GPRS telecommunications system, comprising:
 2 a Serving GPRS support node (SGSN) adapted to interface to a mobile
 3 station, wherein said SGSN includes a Session Initiation Protocol (SIP) user agent;
 4 a gateway GPRS support node (GGSN) adapted to couple to a packet
 5 network; and
 6 a SIP application server, said SIP user agent and said SIP application server

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7 adapted to provide multimedia services to said mobile station.

1 6. A GPRS telecommunications system in accordance with claim 5, said
2 SGSN and said SIP application server adapted to implement an operator owned
3 PDP context activation.

1 7. A GPRS telecommunications system in accordance with claim 6, said
2 operator owned PDP activation procedure adapted to be implemented at DP attach
3 or other detection points.

1 8. A GPRS telecommunications system in accordance with claim 7, said
2 SGSN and said SIP application server adapted to implement push services.

1 9. A GPRS telecommunications system in accordance with claim 7, said
2 SGSN and said SIP application server adapted to implement presence status.

1 10. A GPRS telecommunications system in accordance with claim 7, said
2 SGSN and said SIP application server adapted to implement push pre-paid
3 recharging service.

1 11. A method, comprising:
2 providing a Serving GPRS support node (SGSN) adapted to interface to a
3 mobile station, wherein said SGSN includes a Session Initiation Protocol (SIP) user
4 agent;
5 providing a gateway GPRS support node (GGSN) adapted to couple to a
6 packet network; and
7 providing a SIP application server, said SIP user agent and said SIP
8 application server adapted to provide multimedia services to said mobile station.

1 12. A method in accordance with claim 11, said SGSN and said SIP
2 application server adapted to implement an operator owned PDP context activation.

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1 13. A method in accordance with claim 12, said operator owned PDP
2 activation procedure adapted to be implemented at DP attach or other detection
3 points.

1 14. A method in accordance with claim 13, said SGSN and said SIP
2 application server adapted to implement push services.

1 15. A method in accordance with claim 13, said SGSN and said SIP
2 application server adapted to implement presence status.

1 16. A method in accordance with claim 13, said SGSN and said SIP
2 application server adapted to implement push pre-paid recharging service.

1 17. A method in a GPRS network, comprising:
2 requesting a DP attach from a mobile station to an SGSN;
3 requesting a PDP context activation from said SGSN to said mobile station;
4 performing a PDP context activation in response to said requesting; and
5 pushing content to said mobile station.

1 18. A method in accordance with claim 17, said content comprising one or
2 more Web pages.

1 19. A method in accordance with claim 18, further comprising implementing
2 push pre-paid recharging service.